JT2 oak 1

NASA'S CASSINI SCIENTIST FOR A DAY
CASSINI PEOPLE OUTREACH DEPARTMENT, JPL, NASA
PLANETARY SOCIETY, INDIA (National Point of Contact)

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Class: 7th **Section :** 'C'

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Declaration

I/We agree to assign copyright to JPL so that JPL and NASA can post the essays, as excerpts or in their entirety, on NASA Web sites. I/We agree if selected would attend the Videoconference fulfilling necessary requirements as and when stated by the Society.

Thanking you

VV

RI

Students Name : MEGHANA.G

Signature : G.Meghana

Father/Guardian's Name: G.V.PRASAD
MOTHER: I. SUNITHA

Signature: I.Sunitha

Note : Society welcomes Interested Parents/Individuals/Govt/Private organizations to assist society 1. to raise support/sponsorship for various expenses in their Official/Personal capacity. 2. Lend time/expertise for organizing the Videoconference.
Email: planetarysocietyindia@gmail.com

Review.

Instructions For Teacher In Charge/Parent/Guardian Submitting the Final Essays:

1. This opportunity is open to all students in India who are in grades 5 to 10. Essays will be divided in two groups: grades 5 to 7 and 8 to 10.
2. Communication skills are an important part of being a scientist. Spelling and grammar will be considered, in addition to the ideas expressed in your essay.
3 . **Date of Videoconference** which is planned to be held in december (our request for this date is awaiting approval from Cassini Outreach, JPL, NASA) .
6. **Dress Code** may be suggested Organizers /Special T-Shirt at cost may be printed.
7. The winning Schools will participate videoconference with Cassini scientists (depending on the conferencing technology made available Organizers)
i. Indirect (Winner ask question and Mission Scientist reply in video)
ii. Directly (Involving ex NASA Scientist)
8. The decision of the judges Communicated by National Coordinator is final.
9. **Submission of Essays :** should be delivered to

For Students:

1. Write an essay (500 words maximum) explaining which one of the three possible imaging targets you chose, and explain why.
2. Suggestions: i). Try reading all the Material given. Don't miss to read Set 1 & Set 2 and Science Objectives of your Target.
ii). You can Work/write your essay based on the hidden clues suggested in the Description or Transcripts of Videos or the questions asked in the target to be chosen by you. You can also use Actual Mission Objectives or Science Objectives Info regarding Mimas, Tethys, Prometheus etc.. mostly which is available in Set 3 for some targets.
3. All submissions must be students' original work. Each student can submit only one entry selecting only one Target .

4. Attach Separate page with following information:
i. Target Chosen: With Title and Target No.
ii. Name of the Student & Father Name along with Phone/Mobile No.
iii. Summary in 50 -75 Words.
iv. Name of School with Phone No. – In charge Teacher
The names and contact information, Summary of 50-75 words above will NOT be included in the word count for the 500-word essay.
5. Participants agree to assign copyright to JPL so that JPL and NASA can post the essays, as excerpts or in their entirety, on NASA Web sites.

Tuesday

Summary for the NASA's Cassini - Huygens "Scientist for a day" essay writing Competition

TARGET 2: TETHYS & RINGS

Target two is the best choice as we can get the other two targets in the picture too. We can see the unique F-ring of Saturn, study about Tethys's life supporting characteristics and actually find out if Tethys is adding to the E-ring. Due to the immense amount of time for a spacecraft to reach back to earth, no one will be able to deny this opportunity of getting to know so much at once.

2009 Essay for NASA's Cassini - Huygens
Wednesday "Scientist for a day" Essay writing Competition

TARGET 2: TETHYS & RINGS

You must already be wondering why I have chosen target two for writing this essay. Actually, I have quite a few reasons to support my choice. In this picture of Tethys and a part of Saturn's rings, we can study about some characteristics in target one and target three too. We can learn about the unique qualities of Saturn's F-ring which change in just a matter of hours like magic and why. And as there were only two close fly-by's of this topic, one successful picture of it could lead to a completely new experience and discovery. We also need further study into this particular topic because we need to find out if Tethys is actually adding to the E-ring of Saturn as scientists believe. 123 words

We can also update ourselves on the dynamic A-ring of Saturn which is very dynamic and interesting as Saturn's moons create very amazing waves in this ring and the edge of the A-ring is the perfect point to review these particular features. We will also get the shepherd moons of Saturn 'Prometheus' and 'Pandora' into this picture. These moons often create breath-taking kinks and knot which scientists are still very curious to know more about. We can actually find out if Tethys has the life-supporting characteristics like other satellites of Saturn. Scientists also believe there are very small moons in the rings of Saturn but we haven't yet seen them so this will be the picture we're looking for to find them if they actually exist. We can compare Tethys to Titan and learn if Saturn has a proper system of its own as it has a complete sixty three satellites. Due to the immense amount of time taken for a spacecraft 170 words.

to reach back to earth and the opportunity of knowing so much in one picture, no sensible scientist will ever deny or regret taking this truly and perfectly stupendous and revealing picture of Tethys and rings of Saturn. If I were a scientist for a day I'm sure that I will definitely choose Target two for my space mission.